

Fig. 1

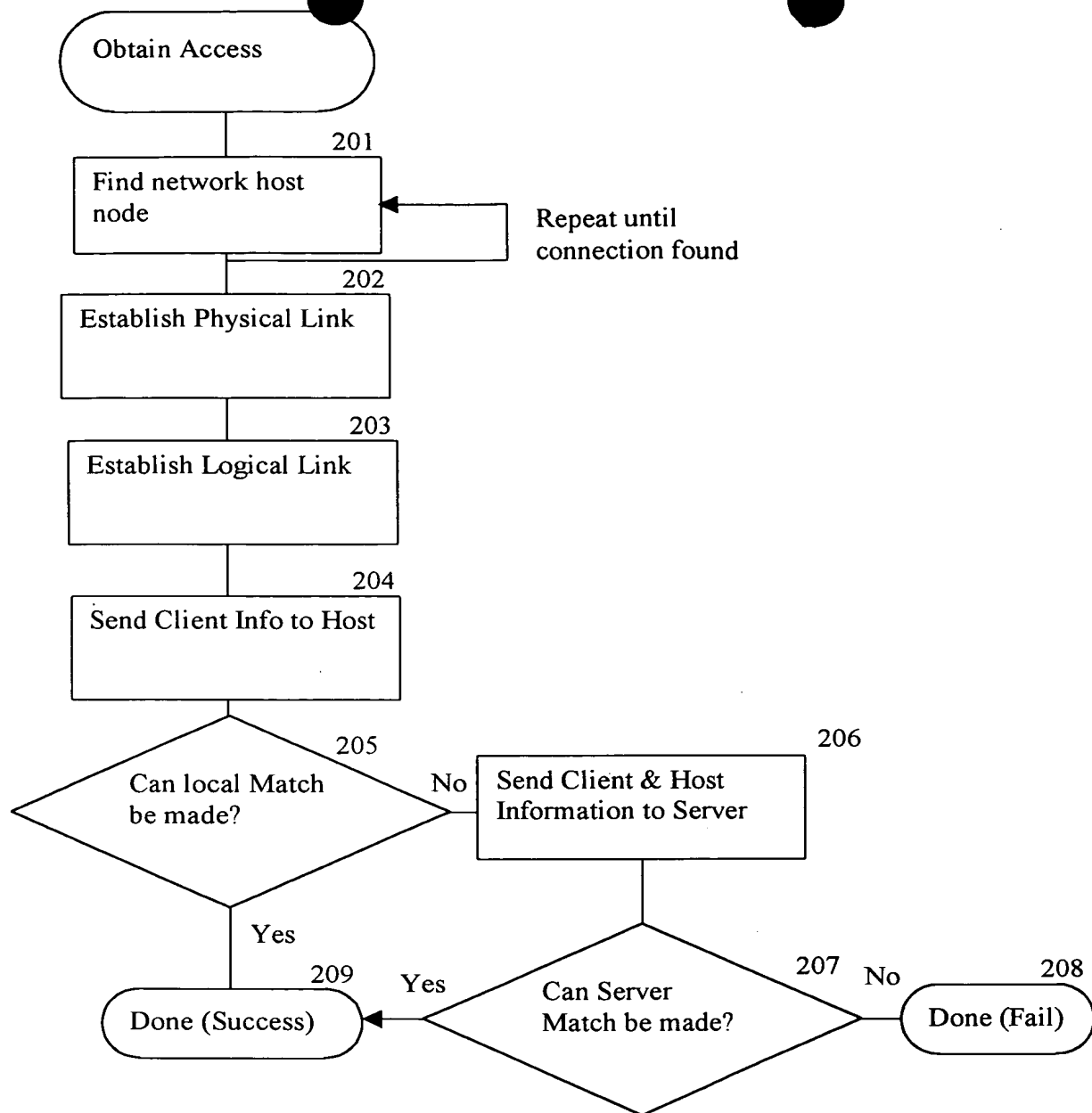


Fig. 2

Member ID	#
Customer Record	Name, Address etc..

Tunnel Provider 302

Allow data link	YES/NO
Allow voice link	YES/NO
Bandwidth share	5%-ALL
Number of simultaneous users	1-16
Number of provided minutes	n
Number of discrete connection events	n
Total bits provided	n
Charge for uplink	\$/hour
Cost to establish connection	\$per connect

Tunnel user 303

Encryption level (data)	low-high
Encryption level (voice)	low-high
Pay for up-link	max \$/hour
Number of used minutes (budget)	n
Link budget	max \$/day
Polling Frequency	per hour
Cell phone record	Carrier, number etc...
Synchronize or buy	Table of desired content

Fig. 3

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graph TD
    Start([Enable Cooperative Networking]) -- 401 --> Step1[Log onto Web site]
    Step1 -- 402 --> Step2[Software download to member device]
    Step2 -- 403 --> Step3[Configuration of Member Device]
    Step3 -- 404 --> Step4[Set tunnel provision preferences]
    Step4 -- 405 --> Step5[Set Access provision preferences]
    Step5 -- 406 --> Step6[Return Summary & Confirmation]
    Step6 --> End([Done])

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Fig. 4

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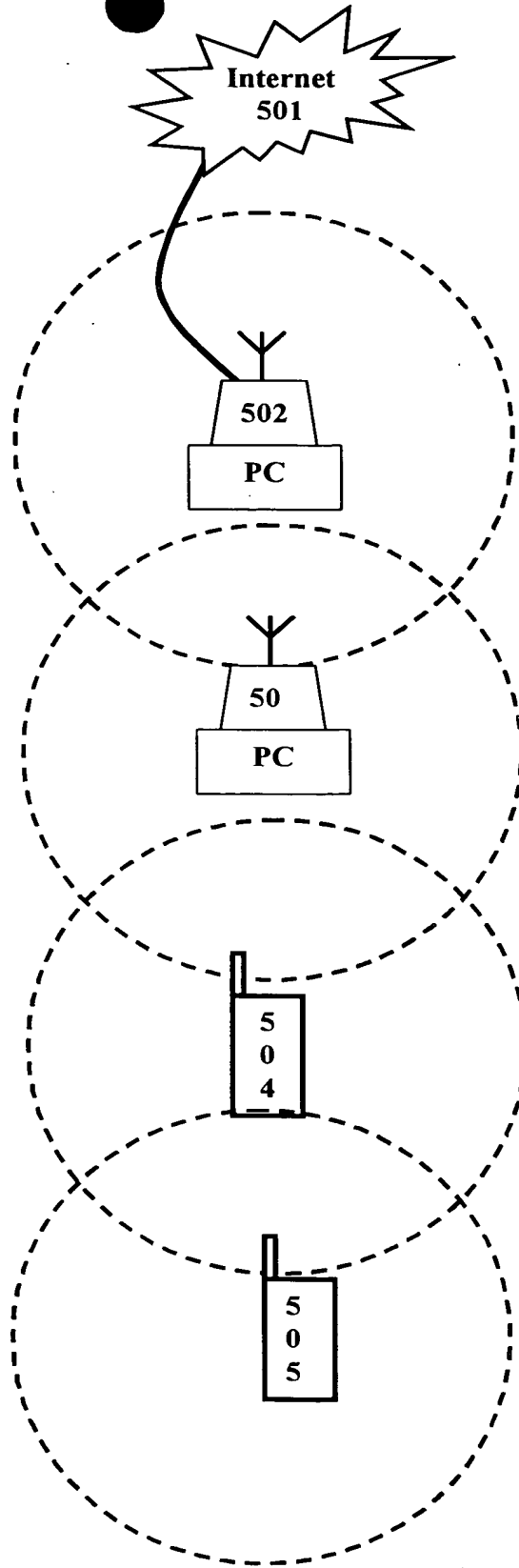


Fig. 5

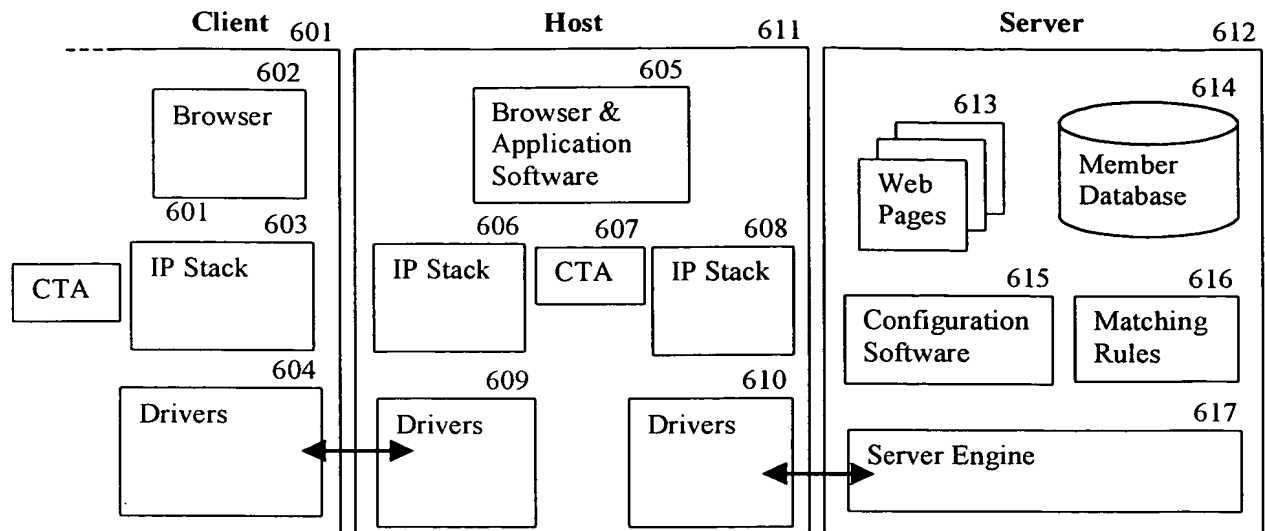


Fig. 6

	Cable	Cell phone Slow Move	Cellphone Mobile pos	LAN (T1)	802.11	Bluetooth	LAN (T1)	Cell Phone Slow Move	Cell phone Fast Move	Bluetooth	ADSL + Their LAN	Cell Phone	Cable
Today	500	9.6	9.6	10M	11M	1M	10M	9.6	9.6	1M	256	9.6	500
Min	100	28	28	10M	1M	1M	10M	28	28	1M	128	28	100
Max	2000	128	56	100M	11M	10M	100M	128	56	10M	2000	128	2000
	Home	Walking to train	In Train	In Office	In Meeting	Lunch Starbucks	Office Desk	Walk to Car	Car	Gas Station	Friend's Home	Taxi	Hotel
	701	702	703	704	705	706	707	708	709	710	711	712	713

Fig. 7

Matching Algorithm

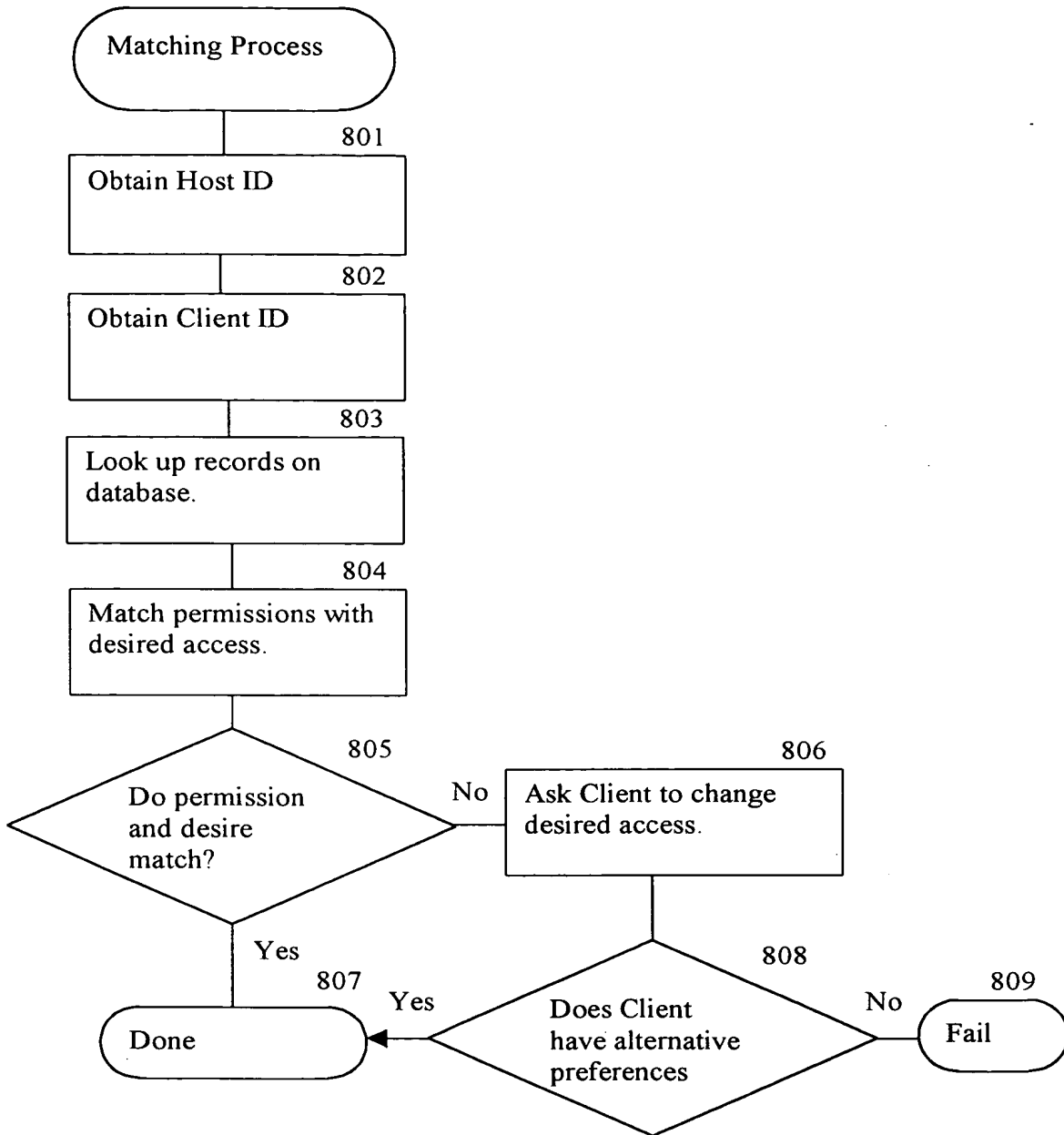


Fig. 8

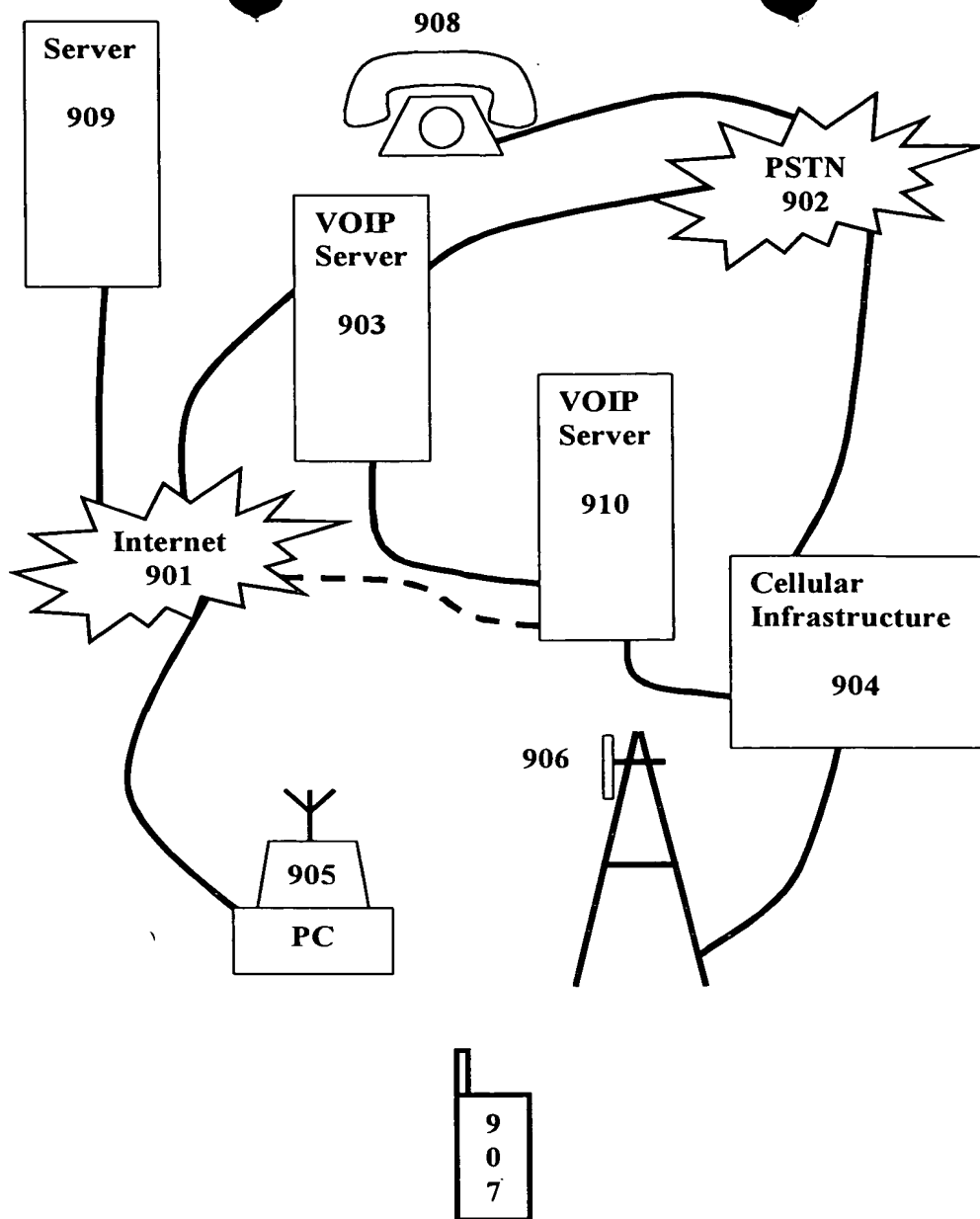


Fig. 9